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United States Patent [19][11] **Patent Number:** **5,198,469****Sakata**[45] **Date of Patent:** **Mar. 30, 1993**[54] **BATH LOTION AND BODY LOTION WITH
PHARMACEUTICAL EFFECT**[76] **Inventor:** **Shigenobu Sakata**, 3-19-102
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Sakai-shi, Osaka, Japan[21] **Appl. No.:** **712,814**[22] **Filed:** **Jun. 10, 1991**[30] **Foreign Application Priority Data**

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[51] **Int. Cl.⁵** **A61K 7/48; C07G 17/00;**
C12P 19/04[52] **U.S. Cl.** **514/777; 435/101;**
435/104; 536/114; 514/846; 514/859; 514/861[58] **Field of Search** 536/114; 514/846, 861,
514/859; 435/101, 104[56] **References Cited****U.S. PATENT DOCUMENTS**

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Hattori, McLeland & Naughton[57] **ABSTRACT**

Disclosed are a bath lotion and a body lotion both consisting essentially of a fermented liquid of high polymer complex polysaccharides. The fermented liquid is obtained by activating and heat-treating a xanthane gum with microorganisms for carbohydrate fermentation. The bath lotion and body lotion are effective and advantageous to health and have a pharmaceutical effect.

2 Claims, No Drawings